

H. Schaus
W. Schaus

ERRATA.

Through a printer's error plate VI is marked plate VII and plate VII is marked plate VI.

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ILLUSTRATIONS OF AFRICAN LYCÆNIDÆ

BEING

PHOTOGRAPHIC REPRESENTATIONS OF
TYPE SPECIMENS CONTAINED IN THE
IMPERIAL ZOOLOGICAL MUSEUM
AT BERLIN

BY

HAMILTON H. DRUCE, F.L.S., ETC.

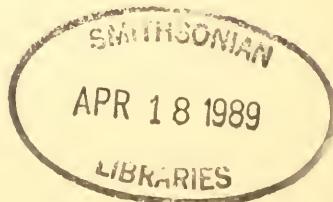
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PREFACE.

BY the kindness of the Director of the Imperial Zoological Museum at Berlin, I have been able to obtain a series of photographs of type specimens of *Lycœnidæ* described by Herr E. SUFFERT and by Dr. F. KARSCH, which are in the possession of the Museum, and it is with his consent that I am now publishing them. I have added the reference to the original description in each case, and in some my own opinion as regards the synonymy.

The locality mentioned immediately after the reference is that given by the author when describing his species.

H. H. D.

W. L. Hanau

PLATE I.

LARINOPODA EMILIA f. 1, 1a.

LARINOPODA EMILIA Suffert Iris xvii, p. 48, 1904 S. Cameroons

We possess a large series of this insect from Bitje, Ja River, Cameroons, collected by Mr. G. L. BATES in the wet and dry seasons, and also from the Upper Kasai District of the Congo Free State, sent by Herr P. LANDBECK.

The hind-wing in both sexes is entirely without any black marginal border on both surfaces

PSEUDERESIA CARLOTA. f. 2, 2a.

PSEUDERESIA CARLOTA Suffert Iris xvii, p. 47, 1904 N. Cameroons.

Mr. BATES obtained this species at Bitje, Ja River, in the dry season. The costal and apical area of the hind-wing above is bright orange; this does not appear in the figure owing to the photographic process by which it is produced

TELIPNA ACRÆA NIGRA. f. 3, 3a.

TELIPNA ACRÆA NIGRA. Suffert. Iris xvii, p. 42, 1904. N.W. Cameroons.

TELIPNA ERICA. f. 4, 4a.

TELIPNA ERICA. Suffert. Iris xvii, p. 41, 1904. Barombi Station, Cameroons

We have this also from the Upper Kasai District of the Congo Free State (P. LANDBECK).

PENTILA MARIANNA. f. 5, 5a.

PENTILA MARIANNA. Suffert Iris xvii, p. 43, 1904. Cameroons

Does not differ from *Pentila rotha* Hew. Exot. Butt., *Pentila* and *Liptena*, t. 2, f. 8, 9 (1873), and must be sunk as a synonym.

PLATE II.

PENTILA HEDWIGA. f. 1, 1a.

PENTILA HEDWIGA. Suffert. Iris xvii, p. 43, 1904. Cameroons.

This = *P. maculata* Kirby Ann. Mag. Nat. Hist. ser. 5, v. 19, p. 363 (1887) which PROFESSOR AURIVILIUS considers to be a variety of *P. abraxas*. D. & H.

PENTILA CHRISTINA. f. 2, 2a.

PENTILA CHRISTINA. Suffert. Iris xvii, p. 45, 1904. Cameroons.

PENTILA ELFRIEDA. f. 3, 3a.

PENTILA ELFRIEDA. Suffert. Iris xvii, p. 46, 1904. Mukenge, Central Africa.

Does not differ from *Pentila cloetensi* Auriv. Ent. Tidskr. 18, p. 214, f. 3 (1897) and must be sunk as a synonym. We possess a large series of this insect from the Congo, and I find considerable variation as to the size of the black apical patch on the fore-wing.

PENTILA YAUNDA. f. 4, 4a.

PENTILA YAUNDA. Karsch. Ent. Nachr. 21, p. 292 (1895). Cameroons.

This again is nothing but *P. maculata* Kirby = *P. abraxas*. D. & H.

PENTILA AUGA. f. 5, 5a.

PENTILA AUGA. Karsch. Ent. Nachr. p. 293 (1895). Cameroons.

Mr. G. L. BATES captured a series of this insect at Bitje, Ja River, Cameroons, but in the wet season only.

PLATE III.

LIPTENA MARGARITA. f. 1, 1a.

LIPTENA MARGARITA. Suffert. Iris xvii, p. 51, 1904. Lolodorf.

An example of the well-known *L. libyssa* Hew. Exot. Butt. *Pentila* and *Liptena*, t. 1, f. 5, 6 (1866), and must be sunk as a synonym.

LIPTENA AUGUSTA. f. 2, 2a.

LIPTENA AUGUSTA. Suffert. Iris xvii, p. 50, 1904. Cameroons.

Described and well figured by M. MABILLE Ann. Ent. Soc. Fr. ser. 6, v. 10, p. 23, pl. 2, f. 2 (1890) under the name *alluaudi*, which name of course takes precedence.

EPITOLA MUS. f. 3, 3a.

EPITOLA MUS. Suffert. Iris xvii, p. 53, 1904. Cameroons.

EPITOLA MERCEDES. f. 4, 4a.

EPITOLA MERCEDES. Suffert. Iris xvii, p. 53, 1904. Cameroons.

EPITOLA CONCEPCION. f. 5, 5a.

EPITOLA CONCEPCION. Suffert. Iris xvii, p. 54, 1904. Cameroons.

CUPIDO SOALALICUS. f. 6, 6a.

CUPIDO SOALALICUS. Karsch. Ent. Nachr., xxvi, 1900, p. 369. West Madagascar.

Appears to be closely allied to *Azanus jesous* Guer, as stated by Dr. KARSCH.

LACHNOCNEMA BRIMO. f. 7, 7a.

LACHNOCNEMA BRIMO. Karsch. B.E.Z. 3⁴, p. 217 (1893). Bismarkburg.

CUPIDO KONTU. f. 8, 8a.

CUPIDO KONTU. Karsch. B.E.Z. 38, p. 227 (1893). Bismarkburg.

Treated by PROFESSOR AURIVILIUS as a variety of *C. (Castaltus) carana* Hew. Exot. Butt., Lyc. t. 1 f. 6 (1876).

PLATE IV.

DEUDORIX ANGELITA. f. 1, 1a.

DEUDORIX ANGELITA Suffert. Iris xvii, p. 56, 1904. Female. S. Cameroons.

We have specimens captured by Mr. BATES at Bitje, Ja River, Cameroons, in the dry and wet seasons

Mr. BETHUNE-BAKER has recently described and figured the male under the name *Deudorix makala* (P.Z.S. 1908, p. 111, pl. ix, f. 4).

DIOPETES AUCTA. f. 2, 2a.

DIOPETES AUCTA Karsch. Ent. Nachr. 21, p. 318 (1895), Togo. (Bismarckburg).

Sierra Leone would appear to be the headquarters of this form as we have received large numbers from that district. Mr. BATES has taken it sparingly at Bitje, Ja River. The true *D. deritas* Hew comes from Angola and the Congo regions.

DERITAS CATALLA. f. 3, 3a.

DERITAS CATALLA. Karsch. Ent. Nachr. 21, p. 318 (1895). Togo.

Mr. BATES obtained a good series at Bitje, Ja River, Cameroons, 2,000 ft.

ACTIS ULA. f. 4, 4a.

ACTIS ULA Karsch. Ent. Nachr. 21, p. 316 (1895). Congo.

We have this from Bitje, Ja River, Cameroons (Bates). It is allied to *Kopelates virgata* mihi. Annls. Mag. Nat. Hist. ser. 6, vol vii., p. 365 (1891) and on the underside is much like it, but on the upper-side the blue is of a purple shade, and the internervular spaces are not black.

PLATE V.

SYRMOPTERA MELANOMITRA. f. 1, 1a.

SYRMOPTERA MELANOMITRA. Karsch. Ent. Nachr. 21, p. 308 (1895). Cameroons. Described as female.

The type is a male and scarcely differs from that sex of *S. homeyeri* Dewitz, Nov. Acta. Acad. N. Cur. 41. 2, p. 206, t. 26, f. 13 (1879). The female, however, differs considerably from *S. homeyeri* female by having the anal area of the hind-wing broadly suffused with orange. Mr. BATES obtained both sexes at Bitje, Ja River, in both wet and dry seasons, and we also possess both sexes of *S. homeyeri* from Afikpo, N. Nigeria.

DEUDORIX DIEDEN. f. 2, 2a.

DEUDORIX DIEDEN. Karsch. Ent. Nachr. xxvi., p. 369 (1900). West Madagascar.

Very close, perhaps too close, to *D. licinia* Mabille Bull. soc. zool. Fr. 3, p. 83 (1878).

HYPOMYRINA ACARES. f. 3, 3a.

DENDORIX ACARES. Karsch. B.E.Z. 38, p. 219 (1893). Togo.

Possibly a form of *H. nomenia* Hew, Trans. Ent. Soc. 1874, p. 353. PROFESSOR AURIVILIUS treats it as distinct. We have specimens, agreeing exactly with the figure of Dr. KARSCH's type, captured by Sir ALFRED MOLONEY at Lagos.

HYPOMYRINA PERIGRAPHIA. f. 4, 4a.

HYPOMYRINA PERIGRAPHIA. Karsch. Ent. Nachr. 21, p. 313 (1895). Congo.

ACTIS MIMETA. f. 5, 5a.

ACTIS MIMETA. Karsch. Ent. Nachr. 21, p. 315 (1895). Congo.

Mr. G. L. BATES captured this beautiful little insect at Bitje, Ja River, Cameroons, 2,000 ft., in the dry season, and Herr P. LANDECK has sent it from the Upper Kasai district of the Congo Free State. The plate does not shew the broad bright orange costal margin to the hind-wing above owing to the photographic process, but it should be easily identified from the figure of the under-side (5a).

PLATE VI.

IOLAUS MATILDA. f. 1, 1a.

IOLAUS MATILDA. Suffert. Iris xvii, p. 64, 1904. Togo.

Does not differ from *Argiolaus iulus* Hew, Ill. Diur. Lep. Supp., p. 9, pl. iv, f. 41-43 (1869), and must be placed as a synonym.

IOLAUS THURAUI. f. 2, 2a.

IOLAUS THURAUI. Suffert. Iris xvii, p. 67, 1904. Togo.

This is the well known *Iolaus helius* Fab. Spec. Ins. ii, p. 112, No. 489 (1781) which occurs all over tropical W. Africa.

IOLAUS BARBARA. f. 3, 3a.

IOLAUS BARBARA. Suffert. Iris xvii, p. 62, 1904. Cameroons.

Unknown to me.

IOLAUS OETHRIA. f. 4, 4a.

IOLAUS OETHRIA. Karsch. B.E.Z. 38, p. 220 (1893). Togoland.

Apparently very closely allied to the preceding.

PLATE VII.

IOLAUS SILAS LASIUS. f. 1, 1a.

IOLAUS SILAS LASIUS. Suffert. Iris xvii, p. 70, 1904, female. Konde-Unyika, North Nyassa Lake.

IOLAUS EMMA. f. 2, 2a.

IOLAUS EMMA. Suffert. Iris xvii, p. 69, 1904 Bismarkburg, Togo.

Appears to be very nearly allied to *Epamera laon* Hew. Ill. Diur. Lep. Supp. p. 28, pl. iva, f. 46, 47 (1878) the male of which has been correctly identified by PROFESSOR AURIVILIUS, but is without the broad dark apex to the fore-wing below.

IOLAUS ELISA. f. 3, 3a.

IOLAUS ELISA. Suffert. Iris. xvii, p. 65, 1904. Misahöhe, Togo.

This must be sunk as a synonym of my *Argiolaus paneperata* Anns. Mag. Nat. Hist., ser. 6, v. p. 30 (1890); the type of which exactly resembles the figure here given on both surfaces.

IOLAUS BERTHA. f. 4, 4a.

IOLAUS BERTHA. Suffert. Iris xvii, p. 66, 1904. Kete-Kratji, Togo.

I can find nothing to distinguish this from the well known *Epamera iasis* Hew. Ill. Diur. Lep., p. 42, t. xix, f. 11, 12 (1865) which has an extended range, and consider it a synonym of that species.

PLATE VIII.

EPAMERA DIAMETRA. f. 1, 1a.

EPAMERA DIAMETRA Karsch. Ent. Nachr. 21, p. 306 (1895). North Usambara.

The type which is a female does not seem to be distinguishable from *Epamera aphneoides* Trimen. Trans. Ent. Soc. 1873, p. 110.

PROFESSOR AURIVILIUS was unacquainted with *T. diametra* at the time he published his *Rhopalocera Ethiopica* (1898).

CUPIDO VICTORIÆ. f. 2, 2a.

CUPIDO VICTORIÆ. Karsch. Ent. Nachr. 21, p. 300 (1895). Female. Kitoto, British East Africa.

CUPIDO QUASSI. f. 3, 3a.

POLYOMMATUS QUASSI. Karsch. Ent. Nachr. 21, p. 305 (1895). Togoland.

OBORONIA BUERONICA. f. 4, 4a.

OBORONIA BUERONICA. Karsch. Ent. Nachr. 21, p. 304 (1895). Usambara.

Very near to *Oboronia güßfeldti* Dewitz, N. Act. Acad. N. Cur. 41, 2, p. 206, t. 26, f. 12 (1879). The figure shows a discal row of faint spots on the hind-wing below which is not present in *O. güßfeldti*.

OBORONIA PLURILIMBATA. f. 5, 5a.

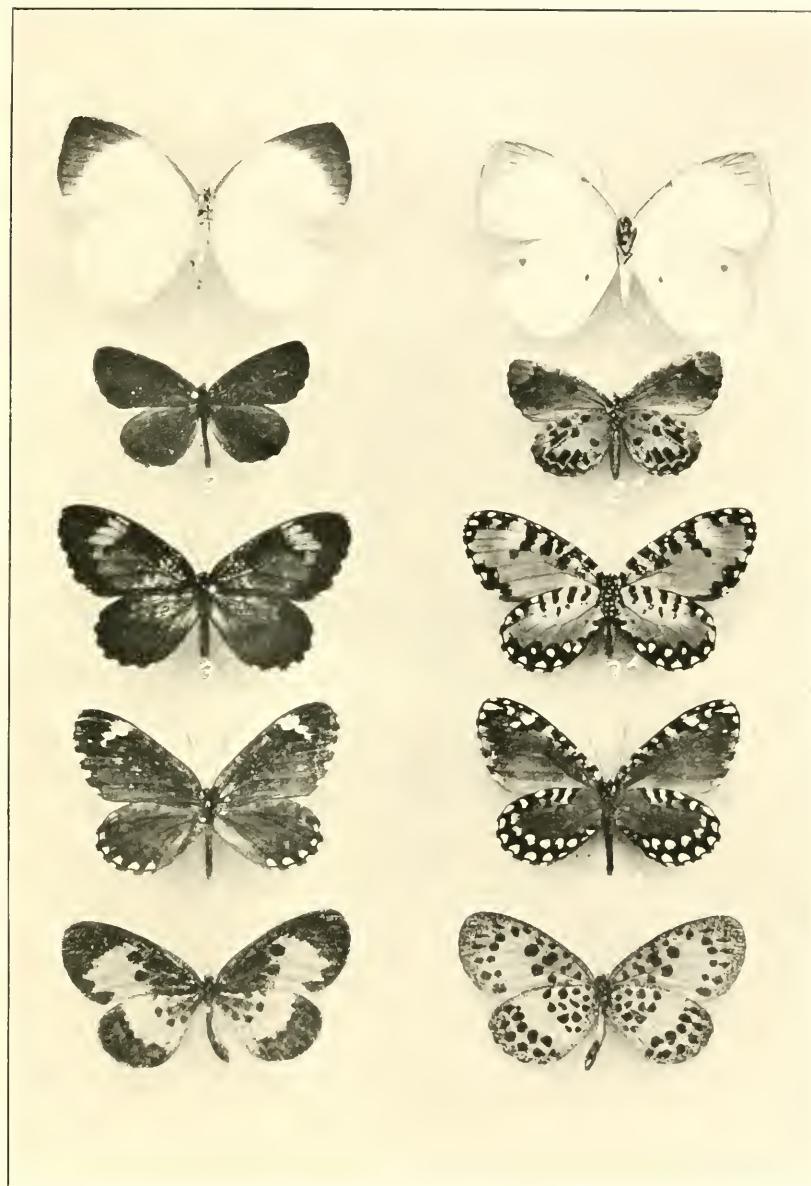
THERMONIPHAS PLURILIMBATA Karsch. Ent. Nachr. 21, p. 303 (1895)
Congo

We have a single specimen from the Upper Kasai District of the Congo Free State agreeing with this figure

EXPLANATION OF PLATE I.

1	LARINOPODA EMILIE.	Suffert	...	upper-side	p. 5
1a	"	"	"	under-side	,
2	PSEUDERESIA CARLOTA	"	...	upper-side	,
2a	"	"	"	under-side	,
3	TELIPNA ACREA NIGRA.	"	...	upper-side	,
3a	"	"	"	under-side	,
4	"	ERICA	"	upper-side	,
4a	"	"	"	under-side	,
5	PENTILA MARIANNA	"	...	upper-side	,
5a	"	"	"	under-side	,

PLATE I

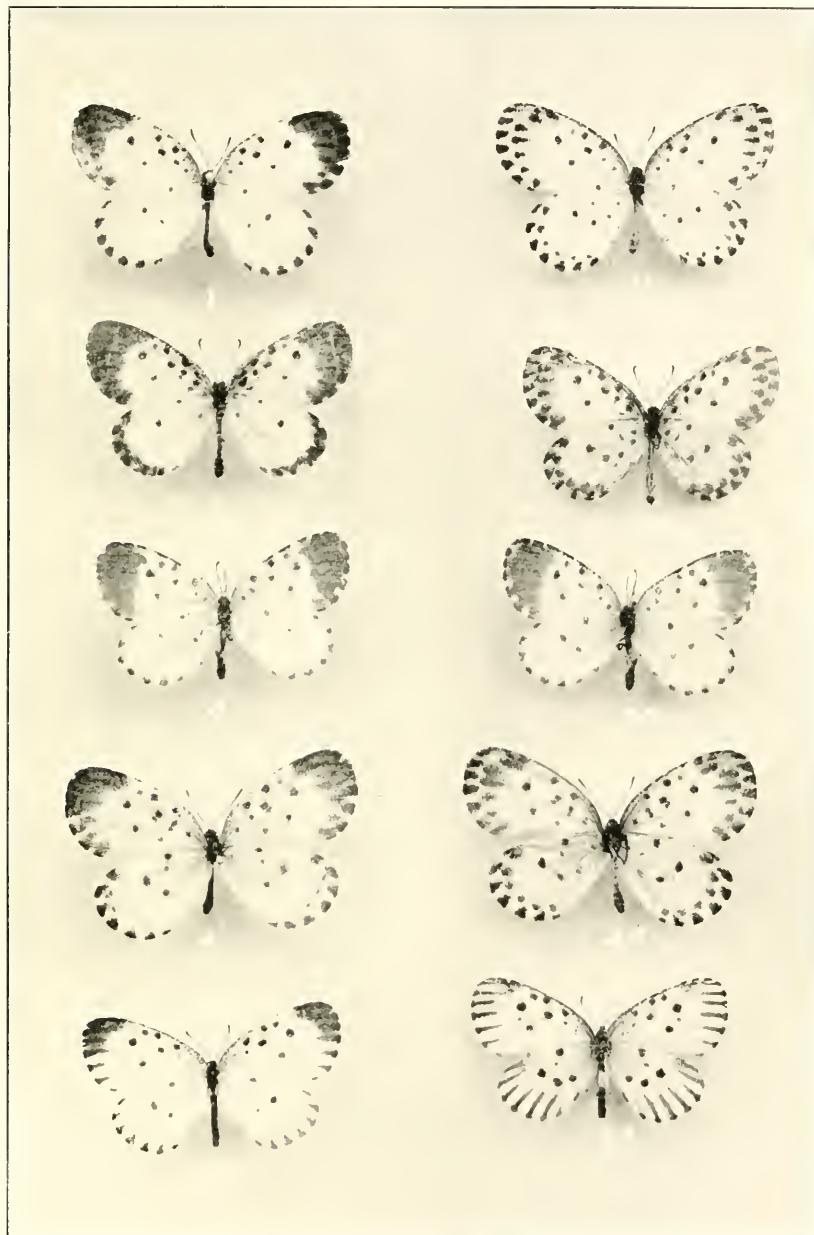


AFRICAN LYCAENIDÆ.

EXPLANATION OF PLATE II

1	PENTILA HEDWIGA.	Suffert	...	upper-side	p. 7
1a	„ „ „	„	...	under-side	„
2	„ CHRISTINA.	„	...	upper-side	„
2a	„ „ „	„	...	under-side	„
3	„ ELFRIEDA.	„	...	upper-side	„
3a	„ „ „	„	...	under-side	„
4	„ VAUNDA.	Karsch	...	upper-side	„
4a	„ „ „	„	...	under-side	„
5	„ AUGA.	„	...	upper-side	„
5a	„ „ „	„	...	under-side	„

PLATE II.

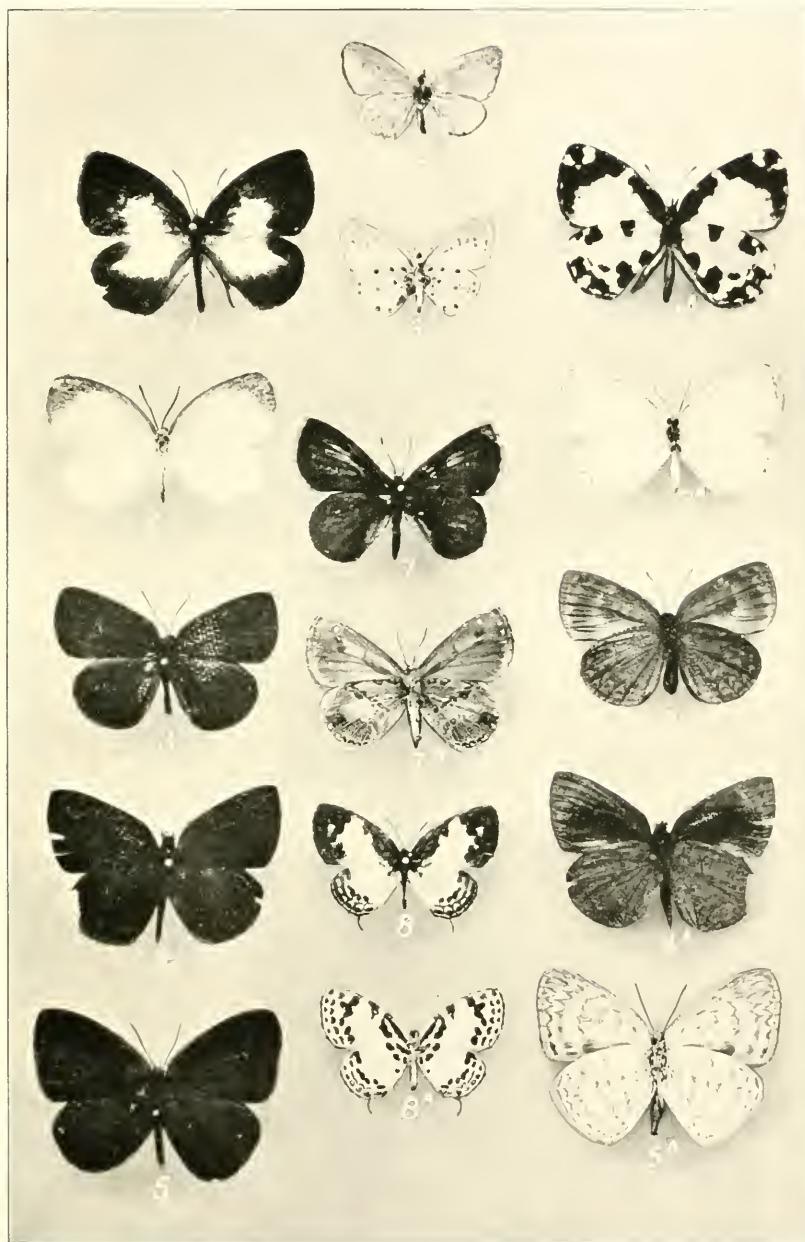


AFRICAN LYCAENIDÆ.

EXPLANATION OF PLATE III.

1	LIPTENA MARGARITA.	Suffert	...	upper-side	p. 9	
1a	„	„	„	under-side	,	
2	„	AUGUSTA.	„	...	upper-side	,
2a	„	„	„	under-side	,	
3	EPITOLA MUS.	„	...	upper-side	,	
3a	„	„	„	under-side	,	
4	„	MERCEDES.	„	...	upper-side	,
4a	„	„	„	under-side	,	
5	„	CONCEPCION.	„	...	upper-side	,
5a	„	„	„	under-side	,	
6	CUPIDO SOALALICUS.	Karsch	...	upper-side	,	
6a	„	„	„	under-side	,	
7	LACHNOCNEMA BRIMO.	„	...	upper-side	,	
7a	„	„	„	under-side	,	
8	CUPIDO KONTU	„	...	upper-side	,	
8a	„	„	„	under-side	,	

PLATE III.



AFRICAN LYCENIDE.

EXPLANATION OF PLATE IV.

1	DEUDORIX ANGELITA.	Suffert	...	upper-side	p. 11
1a	„	„	„	under-side	„
2	DIOPETES AUCTA.	Karsch	...	upper-side	„
2a	„	„	„	under-side	„
3	„	CATALLA.	„	upper-side	„
3a	„	„	„	under-side	„
4	ACTIS ULA.	„	...	upper-side	„
4a	„	„	„	under-side	„

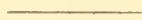


PLATE IV.

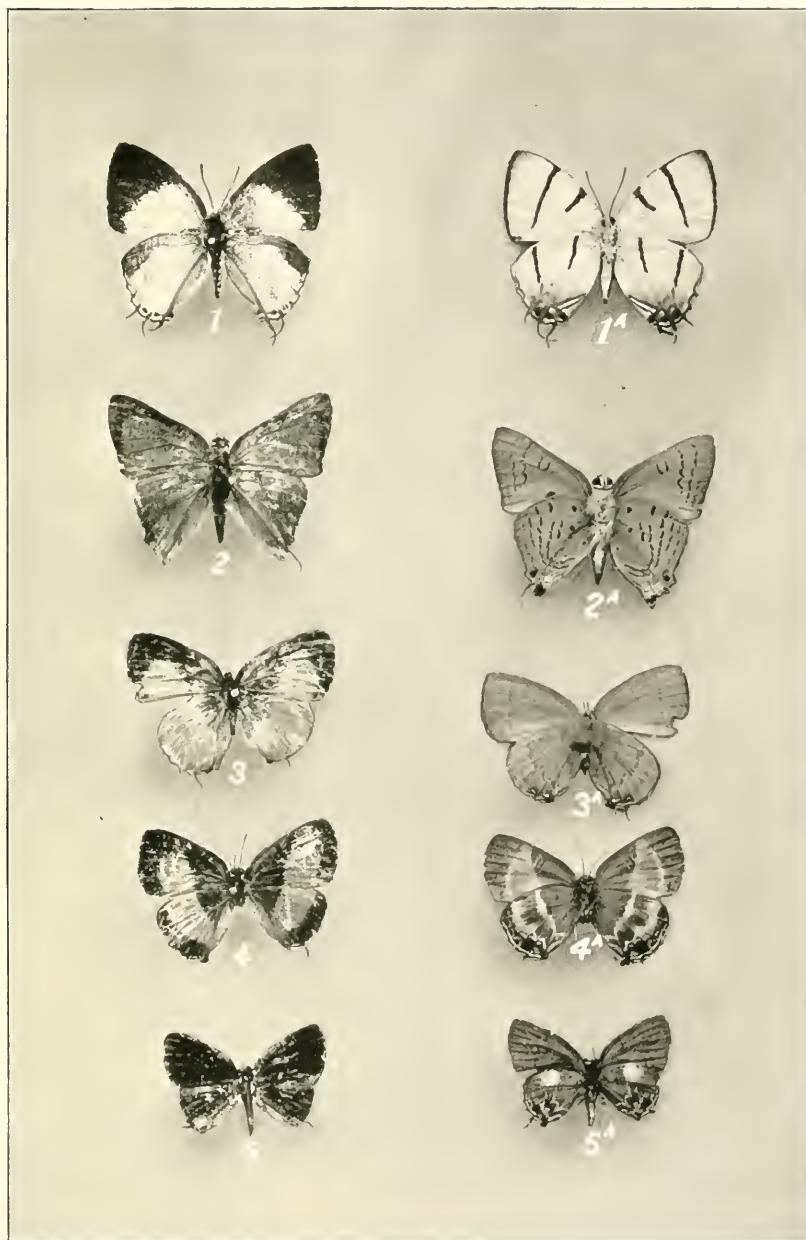


AFRICAN LYCENIDE.

EXPLANATION OF PLATE V.

1	SYRMOPTERA MELANOMITRA.	Karsch	...	upper-side	p. 13	
1a	"	"	"	...	under-side	„
2	DEUDORIX DIEDEN.		"	...	upper-side	„
2a	"	"	"	...	under-side	„
3	HYPOMYRINA ACARES.		"	...	upper-side	„
3a	"	"	"	...	under-side	„
4	"	PERIGRAPHIA.	"	...	upper-side	„
4a	"	"	"	...	under-side	„
5	ACTIS MIMETA.		"	...	upper-side	„
5a	"	"	"	...	under-side	„

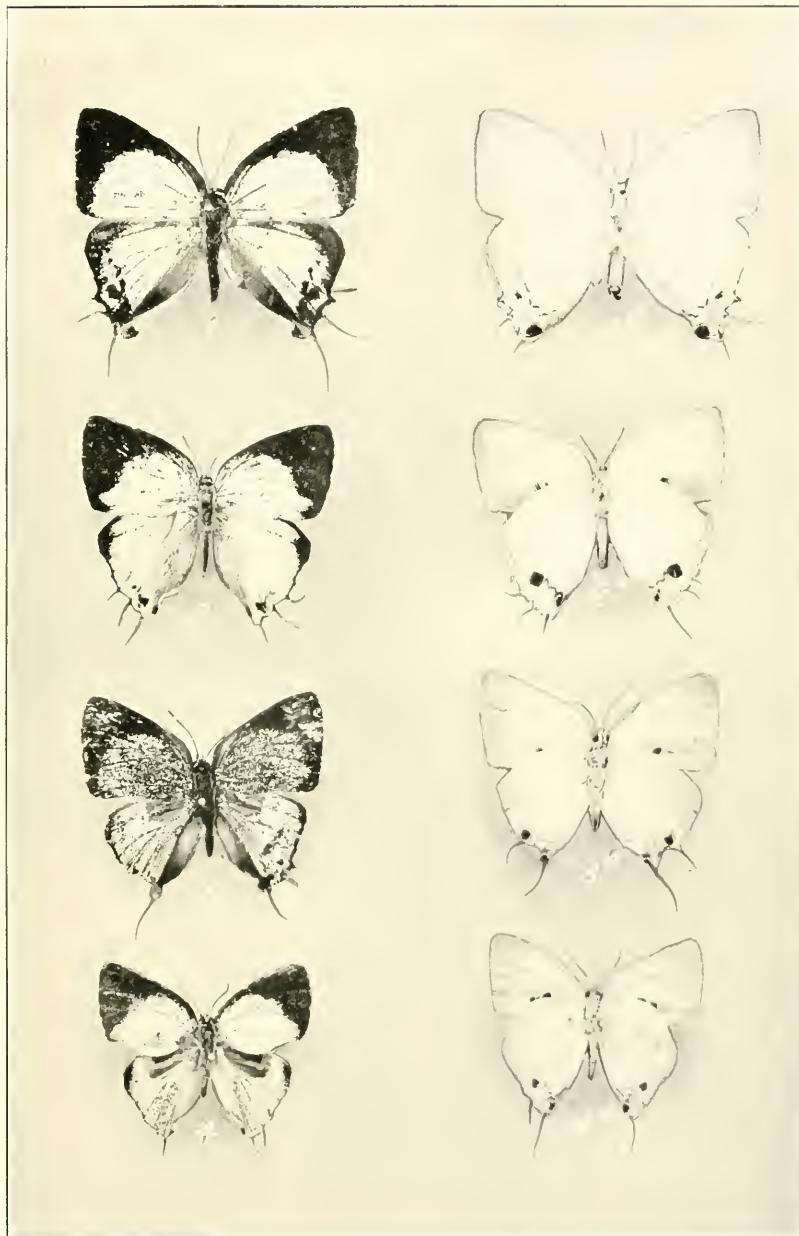
PLATE V.



AFRICAN LYCAENIDÆ.

EXPLANATION OF PLATE VI.

1	IOLAUS MATILDA.	Suffert	...	upper-side	p. 15
1a	„ „ „	„	...	under-side	„
2	„ THURANI.	„	...	upper-side	„
2a	„ „ „	„	...	under-side	„
3	„ BARBARA.	„	...	upper-side	„
3a	„ „ „	„	...	under-side	„
4	„ OETHRIA.	Karsch	...	upper-side	„
4a	„ „ „	„	...	under-side	„



AFRICAN LYCAENID.

EXPLANATION OF PLATE VII.

1	IOLAUS	SILAS	LASIUS.	Suffert	...	upper-side	p. 17
1a	„	„	„	„	„	under-side	„
2	„	„	EMMA.	„	upper-side	„
2a	„	„	„	„	under-side	„
3	„	„	ELISA.	„	upper-side	„
3a	„	„	„	„	under-side	„
4	„	„	BERTHA.	„	upper-side	„
4a	„	„	„	„	under-side	„

PLATE VII.

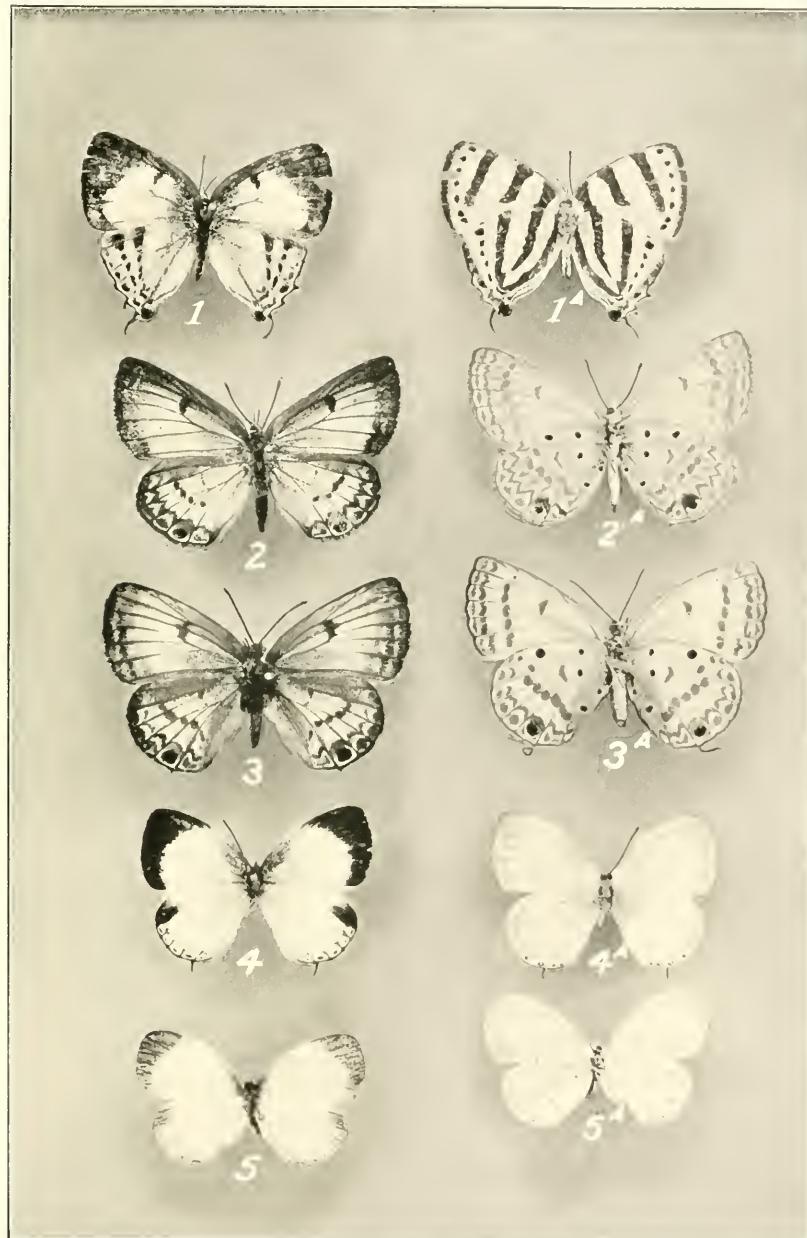


AFRICAN LYCENIDE

EXPLANATION OF PLATE VIII.

1	EPAMERA DIAMETRA.	Karsch	...	upper-side	p. 19
1a	„	„	„	...	under-side „
2	CUPIDO VICTORIÆ.	„	...	upper-side „	
2a	„	„	„	...	under-side „
3	„	QUASSI.	„	...	upper-side „
3a	„	„	„	...	under-side „
4	OBORONIA BUERONICA.	„	...	upper-side „	
4a	„	„	„	...	under-side „
5	„	PLURILIMBATA	„	...	upper-side „
5a	„	„	„	...	under-side „

PLATE VIII.



AFRICAN LYCENIDE.

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